



RAW SEQUENCE LISTING

DATE: 02/10/2002

PATENT APPLICATION: US/09/983,000A

TIME: 13:31:32

Input Set : A:\263-180.ST25.txt

Output Set: N:\CRF3\02102002\I983000A.raw

ENTERED

4 4110 APPLICANT: AGY Therapeutics
5 Melcher, Thorsten
6 Mueller, Sabine
7 Chin, Daniel
9 4120 TITLE OF INVENTION: USE OF PROTEIN BIOMOLECULAR TARGETS IN THE TREATMENT AND
VISUALIZATION

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10             OF BRAIN TUMORS
12 <130> FILE REFERENCE: 263/180 -- PEagleman -- AGY
14 <140> CURRENT APPLICATION NUMBER: 09/983,000A
16 <141> CURRENT FILING DATE: 2001-10-17
18 <160> NUMBER OF SEQ ID NOS: 35
20 <170> SOFTWARE: PatentIn version 3.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 3091
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
29 <220> FEATURE:
30 <221> NAME/KEY: gene
31 <222> LOCATION: (1)..(3091)
32 <223> OTHER INFORMATION: PTP-zeta SM1 exon 9 variant
35 <220> FEATURE:
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37 <222> LOCATION: (1262)..(1262)
38 <223> OTHER INFORMATION: Alternative splice site
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41 <221> NAME/KEY: misc_feature
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43 <223> OTHER INFORMATION: 3' Untranslated Region
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53 cacacataacg cagcacgcat ctcaacttga ttatataact ggaggattaa aacaaacaaa 60
55 aaaaaaaaaa atttcttctg ctccccctcc ctctccactc tgaagaagcag aggaagccga 120
57 cggcgaggggg ccgcagaccg ttggaatg atg cga atc cta aag cgt ttc ctc gct 174

66 Tyr Arg Gln Gln Arg Lys Leu Val Glu Gln Ile Gly Trp Ser Tyr Thr
67 20 35 40

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/983,000A

DATE: 01/20/02

TIME: 13:31:32

Input Set : A:\263-180.ST25.txt

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70 Gly Ala Leu Asn Gln Lys Asn Trp Gly Lys Lys Tyr Pro Thr Cys Asn
71          45          50          55
73 agc cca aaa caa tct cct atc aat att gat gaa gat ctt aca caa gta      366
74 Ser Pro Lys Gln Ser Pro Ile Asn Ile Asp Glu Asp Leu Thr Gln Val
75          60          65          70
77 aat gtg aat ctt aag aaa ctt aaa ttt cag ggt tgg gat aaa aca tca      414
78 Asn Val Asn Leu Lys Lys Leu Lys Phe Gln Gly Trp Asp Lys Thr Ser
79          75          80          85
81 ttg gaa aac aca ttc att cat aac act ggg aaa aca gtg gaa att aat      462
82 Leu Glu Asn Thr Phe Ile His Asn Thr Gly Lys Thr Val Glu Ile Asn
83 90          95          100          105
85 ctc act aat gac tac cgt gtc agc gga gga gtt tca gaa atg gtg ttt      510
86 Leu Thr Asn Asp Tyr Arg Val Ser Gly Gly Val Ser Glu Met Val Phe
87          110          115          120
89 aaa gca agc aag ata act ttt cac tgg gga aaa tgc aat atg tca tct      558
90 Lys Ala Ser Lys Ile Thr Phe His Trp Gly Lys Cys Asn Met Ser Ser
91          125          130          135
93 gat gga tca gag cat agt tta gaa gga caa aaa ttt cca ctt gag atg      606
94 Asp Gly Ser Glu His Ser Leu Glu Gly Gln Lys Phe Pro Leu Glu Met
95          140          145          150
97 caa atc tac tgc ttt gat gcg gac cga ttt tca agt ttt gag gaa gca      654
98 Gln Ile Tyr Cys Phe Asp Ala Asp Arg Phe Ser Ser Phe Glu Glu Ala
99          155          160          165
101 gtc aaa gga aaa ggg aag tta aga gct tta tcc att ttg ttt gag gtt      702
102 Val Lys Gly Lys Gly Lys Leu Arg Ala Leu Ser Ile Leu Phe Glu Val
103 170          175          180          185
105 ggg aca gaa gaa aat ttg gat ttc aaa gcg att att gat gga gtc gaa      750
106 Gly Thr Glu Glu Asn Leu Asp Phe Lys Ala Ile Ile Asp Gly Val Glu
107          190          195          200
109 agt gtt agt cgt ttt ggg aag cag gct gct tta gat cca ttc ata ctg      798
110 Ser Val Ser Arg Phe Gly Lys Gln Ala Ala Leu Asp Pro Phe Ile Leu
111          205          210          215
113 ttg aac ctt ctg cca aac tca act gac aag tat tac att tac aat ggc      846
114 Leu Asn Leu Leu Pro Asn Ser Thr Asp Lys Tyr Tyr Ile Tyr Asn Gly
115          220          225          230
117 tca ttg aca tct cct ccc tgc aca gac aca gtt gac tgg att gtt ttt      894
118 Ser Leu Thr Ser Pro Pro Cys Thr Asp Thr Val Asp Trp Ile Val Phe
119          235          240          245
121 aaa gat aca gtt agc atc tct gaa agc cag ttg gct gtt ttt tgt gaa      942
122 Lys Asp Thr Val Ser Ile Ser Glu Ser Gln Leu Ala Val Phe Cys Glu
123 250          255          260          265
125 gtt ctt aca atg caa caa tct ggt tat gtc atg ctg atg gac tac tta      990
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FILE: 02102002

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134 Ser Ser Tyr Thr Gly Lys Glu Glu Ile His Glu Ala Val Cys Ser Ser
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138 Glu Pro Glu Asn Val Gln Ala Asp Pro Glu Asn Tyr Thr Ser Leu Leu
139          315          320          325
141 gtt aca tgg gaa aga cct cga gtc gtt tat gat acc atg att gag aag      1182
142 Val Thr Trp Glu Arg Pro Arg Val Val Tyr Asp Thr Met Ile Glu Lys
143 330          335          340          345
145 ttt gca gtt ttg tac cag cag ttg gat gga gag gac caa acc aag cat      1230
146 Phe Ala Val Leu Tyr Gln Gln Leu Asp Gly Glu Asp Gln Thr Lys His
147          350          355          360
149 gaa ttt ttg aca gat ggc tat caa gac ttg gta act ata tga      1272
150 Glu Phe Leu Thr Asp Gly Tyr Gln Asp Leu Val Thr Ile
151          365          370
153 tcagttgttt tacatagggg aacattataa tttaatttcc aaggtaagaa cttacaaatg      1332
155 gttgtatatt attttcctcc attactttta gactttatgt gaaggtgggg taggctgagt      1392
157 atttttaaat ttaaaaaaaaa atttttaatt agaagctata cttaaattatg tttaaagtta      1452
159 catttaatta aatggatata ataactttgc caacaataac actatagagt agatacatat      1512
161 gacttatgaa ctggagatca tttagtgtgg cctttcttaa gatttcagtt gtagaatagt      1572
163 gccagaatct cagtgcctcg atacatttta tattgtgtct tccattacgc tatatcagca      1632
165 caggaaaagt agagtggggg acatacaagt cctcttttgt gcaccaaaaa attttcagat      1692
167 aacagctggg aagtcctgat tgggtcagaa ctttggggat gtaagaaaaac atttcctaca      1752
169 aaaagatcca cccctgcctc cctccaccag cgcctgcgaa taaagtacag attccctttg      1812
171 tggcctgagc atgtcagtat taaactttgc tctggtaggg aagtgttggc catagattag      1872
173 ggtgtagttg acaaaccttc atctggatgt aggtccagaa agtcccccact gcagggttaa      1932
175 ggacactgga ctctgcactc aggcacctag agtccctgaa gtccctggga cctgcattta      1992
177 aataaaaatg cactattaat tatgtttcat atcatgtgga caaaatggat aaaattttag      2052
179 taacctttta attcagttgc ctggaatatg gagacacaat gacctgggaa aatcgtgaaa      2112
181 taaatagtaa taaaaatggt tatttcataa ttaagtgaag aagataatcc tattaactgt      2172
183 cttgcatata tattgtcaag aaaaagagat aacttagttg ttcacttttt cacattgctc      2232
185 cttgtttgca aatgcccccc atttatttgt ctaaaatatt aatttttagt ttgtagtact      2292
187 aatttatgaa tttgatgagt tctggctaaa aatgaaaact cctgaaacta aatctgattt      2352
189 ttaaaaagca aaaaaaaaaa aaaagcctag ctttcagtt cttcataatt cacaataacc      2412
191 acaagtttaa ctaagcaaca ttgcataaac ttttccttag gttataaaaa tagaagtatt      2472
193 ttccacggac cagggagaaa aaqttttcta gaaaagatac ctaqgtgtgt gqtaqctc      2532
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197 tgcataccaa tatgaqitat qttcttcaga taqtagccat atqcaactaat gqcttatatq      2652
199 gaaaataacg cgaaccaact attgtagaaa tgcctactga taatcctggt aagtgcaccc      2712
201 agatacatct atatatfaac tcaataaatg agqttagttt aattactgta tgcattgatg      2772
203 ctttctctct atattctttt ggcacaaaag caaagtgatt ttctcttaag tctggattgc      2832
205 cgggtaattt tttggggcat gggaccatt tctcattcag caggtctggt gccagacaat      2892
207 aagtaaactt atccttaata ttggagttta ccatttgtaa aataagagtg actaaacata      2952
209 tttataacat tqtaataatc attaaatgaa aattgctatg taaatgttga gactgttatt      3012
211 ttggataatt aaqaqtiqqi ttaatttqta ttatttctc cttttcagcc cccaaagcat      3072
213 tatgtagtaa qtgtataca

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PATENT APPLICATION: US/09/983,000A

DATE: 07/11/2002

TIME: 13:31:32

Input Set : A:\263-180.ST25.txt

Output Set: N:\CRF3\02102002\I983000A.raw

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334 <223> OTHER INFORMATION: PTP-zeta SM2 exon 23a variant
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337 <221> NAME/KEY: VARSPLIC
338 <222> LOCATION: (6229)..(6345)
339 <223> OTHER INFORMATION: Exon 23a
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343 <222> LOCATION: (7210)..(8058)
344 <223> OTHER INFORMATION: 3' Untranslated Region
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352 cggcgagggg cgcgagaccg tctggaaatg cgaatctcaa agcgtttcct cgtttgcatt      180
354 cagctcctct gtgtttgcgc cctggattgg gctaattgat actacagaca acagagaaaa      240
356 ctgtgtgaag agattggctg gtctatatac ggagcactga atcaaaaaaa ttggggaaag      300
358 aaatatccaa catgtaatat cccaaaaaaa tctctatca atattgatga agatcttaca      360
360 caagtaaatg tgaattctaa gaaacttaaa ttccagggtt gggataaaac atcattggaa      420
362 aacacattca ttcataacac tgggaaaaaa gtggaaatta atctcactaa tgactaccgt      480
364 qtcagcggag gagtttcaga aatggtggtt aaagcaagca agataacttt tcactgggga      540
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372 gatttcaaaq cgattattga tggagtgcga agtgttagtc gttttgggaa gcaggetget      780
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384 agttcagaac cagaaaatgt tcaggtgcac ccagagaatt ataccagctt tcttggtaca      1140
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388 cagttggatg gagaggacca aaccaagcat gaatttttga cagatggcta tcaagacttg      1260
390 ggtgtctatc tcaataatct gctacccaat atgaqttatg ttcttcagat agtagccata      1320
392 tgcactaatg gcttatatgg aaaatacagc qaccaaactg ttgtcgacat gctactgat      1380
394 aatcctgaac ttgatctttt ccttqaatta attggaactg aagaaataat caaqqaggaq      1440

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/983,000A

DATE: 02/01/2002

TIME: 13:31:33

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L:2749 M:286 W: Invalid Database Entry. Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:7
L:3374 M:286 W: Invalid Database Entry. Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:11
L:4319 M:286 W: Invalid Database Entry. Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:13
L:4719 M:286 W: Invalid Database Entry. Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:15
L:5294 M:286 W: Invalid Database Entry. Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:17
L:5535 M:286 W: Invalid Database Entry. Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:19
L:5902 M:286 W: Invalid Database Entry. Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:21
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